



AMITY UNIVERSITY

—UTTAR PRADESH—

Domain of Engineering & Technology

Amity School of Engineering and Technology

Minor Project

WEEKLY PROGRESS REPORT (WPR)

For the week commencing on: 24-10-2022 (13th week)

Program: B.Tech. (AI)
WPR: 13

Student Name: Divvela Vishnu Sai Kumar
Enrollment Number: A076119819005

Company Name (if any)	: ASET, LUCKNOW
Faculty Guide's Name	: DR. SHEENU RIZVI
Project / Seminar Title	: FACE RECOGNITION USING TENSORFLOW

TARGETS SET FOR THE WEEK:

- Study about how to send two images at a time as input and calculate the difference between them through custom keras sub modelling.
- Study about open cv package in python to read the image data and os package to save the files and directory because for this project we are going to make our own dataset.

ACHIEVEMENTS FOR THE WEEK:

- Studied about how we can make custom layers using sub modelling and implemented a neural network which can be used to calculate the difference between the images and can train on the label.
- Studied about how to implement subclassing, custom model fit, custom training loop, custom callbacks, data augmentation and normalization using tensorflow.

FUTURE WORK PLANS:

- Will try practical implement of various DL usecases under the guidance of faculty guide.
- By actually performing things I will have a better understanding of things and it will enhance my knowledge which is very essential before working on the actual project.